

THE CAT'S WHISKER

OFFICIAL VOICE OF THE
CANADIAN VINTAGE WIRELESS ASSOCIATION

VOL. 6 NO. 1



MARCH 1976

EST: 1970, THE C.V.W.A. IS OF NON PROFIT, DEDICATED TO COMPILE RADIO'S HISTORY AND TO PRESERVE YESTERYEARS RADIO EQUIPMENT. THE CAT'S WHISKER IS PUBLISHED FOR C.V.W.A. MEMBERS QUARTERLY. IT IS NOT RECOMMENDED AS A SOURCE OF HISTORICAL REFERENCE.

EDITOR: N.C. BATSCH, BOX 51, STATION R, TORONTO, ONTARIO, CANADA.

GE Broadcasting Six decades after the lampshade mike, it's growing in two dimensions



Boston:

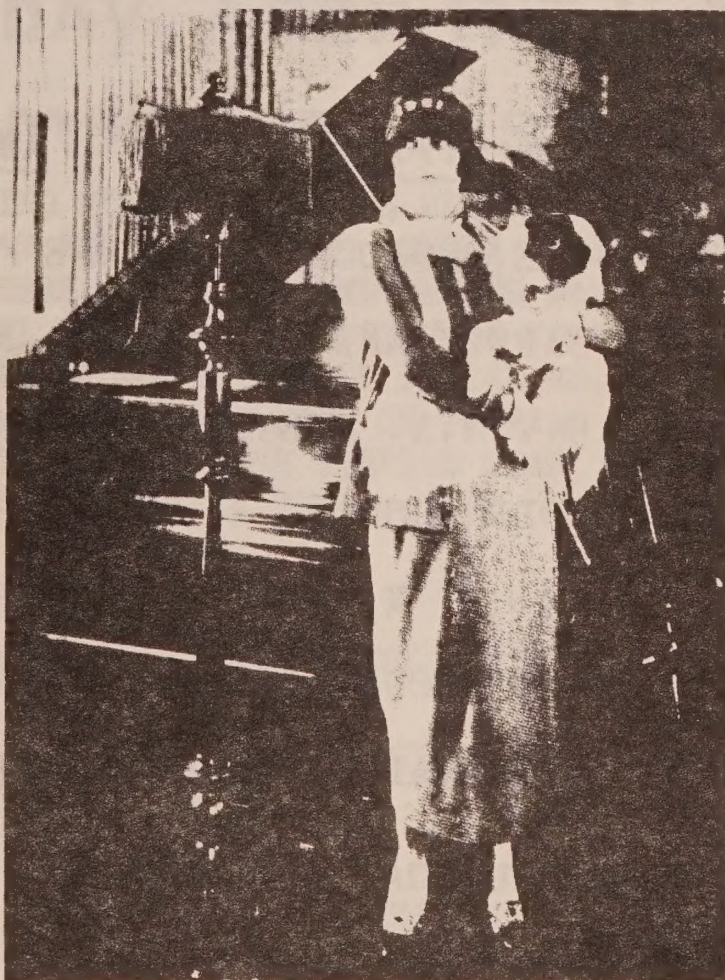
WJIB, 96.9 FM

San Francisco:

KFOG, 104.5 FM

Schenectady:

WGY, 810 AM
WGFM, 99.5 FM
WRGB-TV, NBC-6



Denver:

KOA, 850 AM
KOAQ, 103.5 FM
KOA-TV, NBC-4

Nashville:

WSIX, 980 AM
WSIX, 97.9 FM
WNGE-TV, ABC-2

2 X I

AB

Broadcasting and General Electric have come a long way since the days when studio microphones were disguised as lampshades, to keep performers accustomed to a visible audience from getting "mike fright."



C.V.W.A. EXECUTIVES

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TREASURER:SID PRIOR,102 PARKHURST BLV. TORONTO,ONT.MAG2E6.
EDITOR;N.C.BATSCH(MIKE) BOX 51,ST'N R,TORONTO,ONTARIO.
Co.ED: M.C.FRY,75 DUNLOP STR.RICHMOND HILL, ONTARIO,CANADA.
Q.R.K.ED: BERT deKAT(3DPB) BOX 137, LYNDEN, ONTARIO,CANADA.
CURATOR: MIKE COX,26 KHARTOUM, SCARBOROUGH, ONTARIO,CANADA.
CHAPTER QUE:B.COLEMAN(VE2BD)75 PARKDALE,POINT CLAIRE,QUEBEC.

ADVERTISEMENT AND MATTERS CONCERNING 'THE CAT'S WHISKER' SHOULD BE DIRECTED TO THE EDITOR IN CHIEF. PLEASE DO NOT SEND YOUR MEMBERSHIP DUES TO THE EDITOR. MEMBERS ARE WELCOME TO SUBMIT ARTICLES RELATING TO VINTAGE RADIO FOR PUBLICATION. SOME BACK COPIES OF THE CAT'S WHISKER ARE ALWAYS ON HAND. PLEASE CHECK WITH THE EDITOR. PRICE IS \$1.00 PER COPY, PAYABLE TO THE TREASURER.

INDEX

<u>PAGE</u>	<u>TITLE</u>	<u>AUTHOR</u>
4 - 7	G.E.BROADCASTING "THE MONOGRAM"	
8 - 9	SAFETY AND OLD RADIO	N.C.Batsch
10	C.V.W.A. MEETING	M. Chaplin
11-12	GOLD DUST	S. Prior
13	Q. R. K	B. de Kat
14	MAN ABOUT TOWN	A. Nickerson
15	QUE.CHAPTER AUCTION	B. Coleman
16-17	COMMUNICATIONS MUSEUM	E. Eberdt
18	C. N. E. DISPLAY	M. Cox
19	OLD CANADIAN PATENTS	F. Selleck
20	EARLY ADVERTISEMENT	

C.V.W.A. SPRING & MEETING & AUCTION.

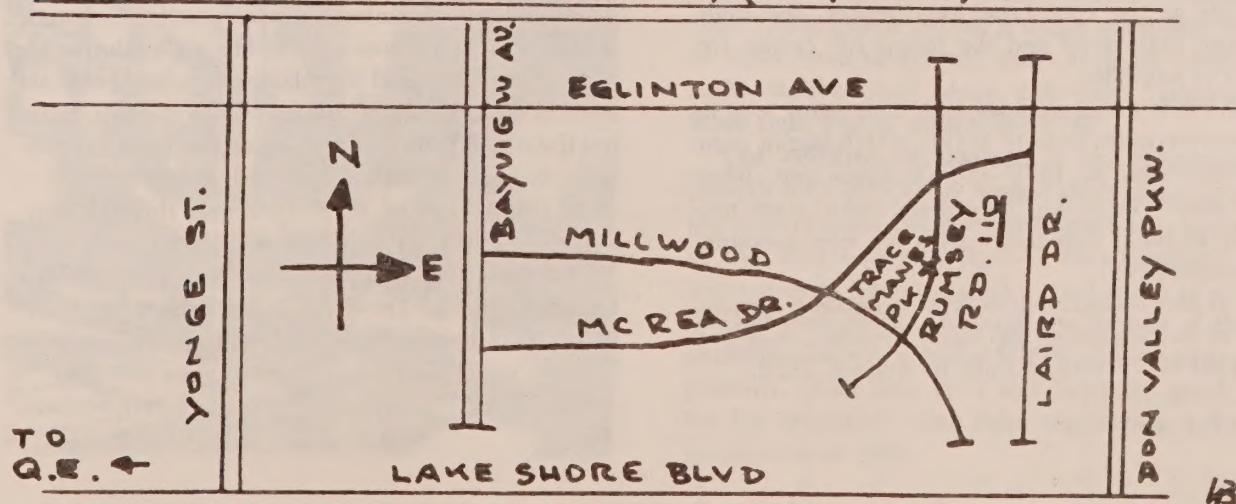
SATURDAY APRIL 17th, 1^{PM} SHARP.

110 RUMSEY RD. EAST-YORK.

THE SPRING MEETING WILL BE HELD AS USUAL IN THE SR. CITIZEN'S LOUNGE,.ON THE AGENDA WILL BE AN ELECTION OF OFFICERS, QUESTION AND ANSWER PANEL. NATURALLY, THERE WILL ALSO BE AN AUCTION OF VINTAGE RADIO GEAR..... COFFEE AND DOUGHNUTS WILL BE SERVED. LADIES ARE WELCOME. THERE IS PLANTY OF PARKING SPACE.DON'T FORGET TO BRING YOUR SURPLUS GEAR, WE HAVE THE BEST AUCTIONEERS IN TOWN.....

HOW TO GET THERE...

MACDONALD - CARTIER FREEWAY (HWY-401)



GE Broadcasting

Six decades after the
lampshade mike, it's
growing in two dimensions

GENERAL ELECTRIC
Monogram
JANUARY-FEBRUARY 1975

VOLUME 52, NUMBER 1

REPRINT WITH COURTESY OF THE G.E. " MONOGRAM "



2 X 1

In 1916, as World War I was passing the halfway point, General Electric's first commercial broadcasting facility, tiny AM radio station 2X1, went on the air part time in Schenectady, New York. Now after nearly six decades, General Electric Broadcasting Company, Inc. (GEBCO) is emerging as one of the country's major forces in AM, FM and television broadcasting.

"People who think that General Electric is a recent starter in this business are way wide of the mark. We've been in it since the beginning," says Reid L. Shaw, GEBCO's president. "And we've had a very impressive list of firsts in the industry."

Even before GE went on the air via its own chain of radio stations, the Company's many firsts included development of such key radio components as the cone-type loudspeaker, the high-vacuum radio tube and the tuned RF (radio frequency) amplifier.

GE's first major venture in broadcasting was its pioneering radio station, WGY, which began regular operations in 1922—radio's dawn age, when such gimmicks as the "lampshade mike" were necessary to build familiarity with the new medium. Among its firsts:

- Radio drama, which was to become a mainstay of broadcasting for three decades, was first aired on WGY-Schenectady in August, 1922.

- In 1923, WGY conducted the first "remote" broadcast by covering church services live and on location in Schenectady.

- WGY supplied the sound transmission for the first television drama, Somerset Maugham's play, "The Queen's Messenger," and the first political speech, Governor Alfred E. Smith's acceptance of the Democratic presidential nomination. These were televised experimentally by GE in 1928, using an early electro-mechanical form of TV. The process was developed by the famed GE inventor, Ernst F. W. Alexanderson, whose efforts were later transcended by electronic technology. Today's WRGB-TV in Schenectady, born in 1939, was the Company's first commercial television station.

- Conversations with Admiral (then Commander) Richard E. Byrd at his Little America base in Antarctica won great attention for WGY in 1929. Relayed by GE shortwave stations in Australia and Schenectady, these fortnightly talks demonstrated the worldwide reach of radio in those early days.

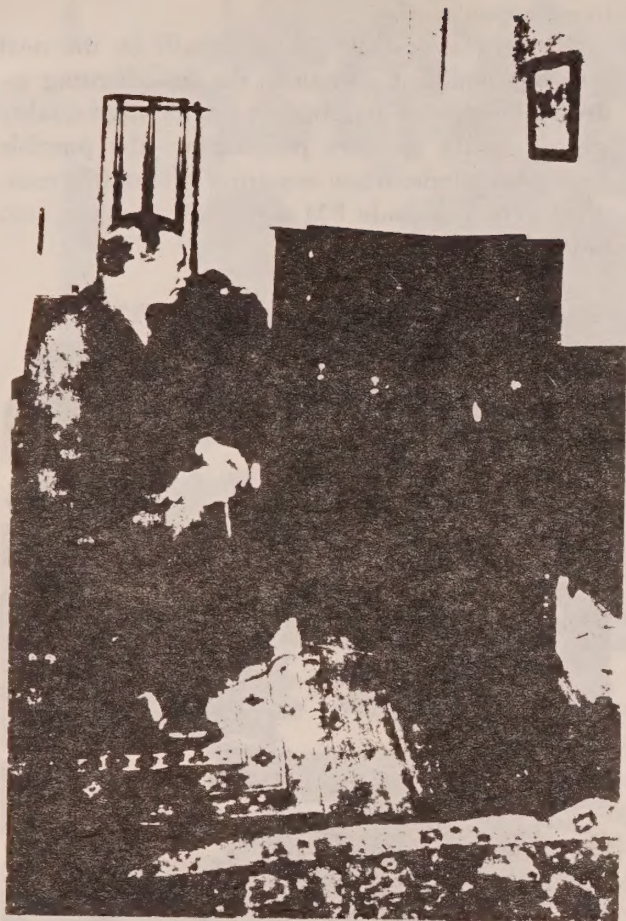
Another early crowd-pleaser was "the shot heard 'round the world" on Patriot's Day, April 19, 1932. The Company invited Massachusetts Governor Joseph Ely to Schenectady to fire a Revolutionary War era musket, and the blast was to be broadcast around the globe by a string of radio stations, passing the signal from one to another and back to Schenectady in one-eighth of a second.

At the appointed time, however, the old musket refused to fire. But Chester H. Lang, then GE's VP for advertising and publicity, was prepared for that eventuality. He drew a .44-caliber revolver, fired a shot beside the studio microphone, and the listeners never knew anything had gone wrong.

(continued next page)

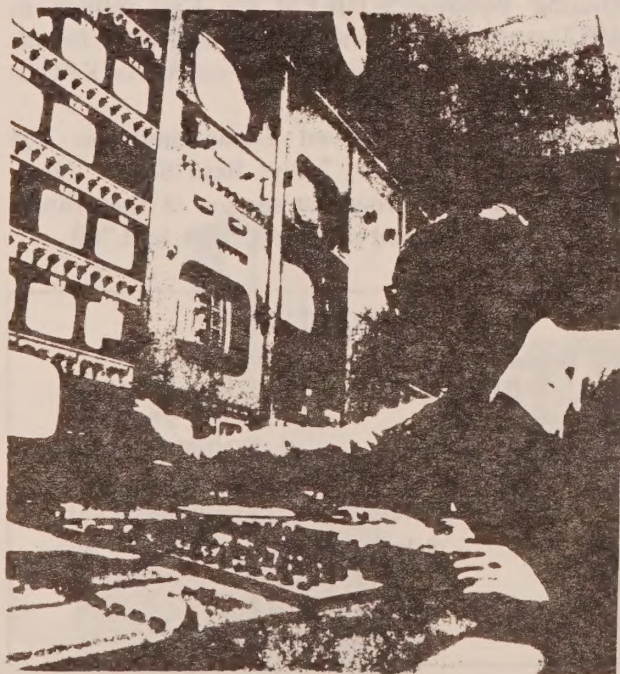


GEBCO's Shaw



GE inventor Ernst F. W. Alexanderson and his experimental electro-mechanical TV, which was publicly demonstrated in 1928.

At GE's Schenectady television station, WRGB engineer Ron Mannichi tunes complex control panel like a fine instrument.



Spurred by the growing popularity and profitability of broadcasting, WGY installed its first 50,000-watt transmitter that same year, and again Lang indulged his taste for showmanship in order to attract a maximum of attention to the unveiling. He boarded the U.S. Navy dirigible *Los Angeles* at Lakehurst, New Jersey, for a four-hour ride to Schenectady on the evening of May 19, 1932 where, from an altitude of one-half mile, he blew a police whistle. Its sound was transmitted over a beam of light (an experimental mode of semisecret transmission called narrowcasting) to a relay on the ground which simultaneously turned the old transmitter off and the new unit on.

One of the ten oldest stations in the world, WGY continues its successful operation along with one of the country's first FM stations, WGFM, which began broadcasting in 1941. And from Boston to Denver, from Nashville to San Francisco, GE is on the air today via eight radio stations (three AM, five FM) and a trio of network-affiliated VHF television stations.

"We've been in the broadcasting business a long time," says Shaw, "and since it was going so well and we were so familiar with it, we decided in 1965 to start expanding."

But acquiring a radio or television station can be, and often is, a complex and lengthy procedure. First there must be sufficient funds available, of course, to pay the high prices for which stations are sold today. Then application must be made to the Federal Communications Commission for a license transfer and approval of the sale. The process can easily require a minimum of one year to complete.

"There's still room to grow," says Shaw, "but until the economic situation resolves itself, we won't be aggressively pursuing acquisitions. If we were, however, they would be either in the Southeast or on the West Coast, because that's where the population growth is that dictates the growth of a broadcast market."

Current regulations of the Federal Communications Commission permit a single company to own no more than seven AM radio stations, seven FM radio stations and seven television stations, not more than five of which are VHF.

The addition of stations is one dimension of growth for GEBCO. A second dimension: increasing sales of commercial advertising time. As a result of this two-way growth, GE Broadcasting's sales and earnings have attained record levels in each of the last nine years. Although the impact of the depressed economy is being felt by all Company components, Shaw says 1974 was "a pretty good year" for his operation, with sales registering a fivefold increase over 1965.

The GE station program format is custom-tailored to serve the needs of the community and maintain GE's reputation for operating stations that are good neighbors. This approach to broadcast programming, according to Shaw, involves careful research in each station's market area to discover possibly unserved segments of the audience. Some Company stations feature specialized programming, while others offer a full-service format—blending various types of music with news, sports, weather, public service and talk shows.

"For instance," Shaw says, "we determined in Denver that KOA, a 50,000-watt AM station acquired in 1968, would have its best shot at serving an audience by going very heavy in the news area, so we programed three hours of news in the morning, another three hours in the late afternoon, and scheduled talk programs and sports broadcasting in the evening. As a result, the public has responded by moving us from ninth-ranked in the market to a very strong second."



Debra Deane does "Soul of the City" on WNGE-TV in Nashville, plus spot news for WSIX radio.

In television, Schenectady's WRGB-TV and Denver's KOA-TV are ranked first and second in their respective markets. In Nashville, GE's high-scoring WNGE-TV has also been lauded for the quality of its locally produced programs. Recently the Tennessee state legislature passed a special resolution commending the station for outstanding service to the black community through presentation of a half-hour weekly program, "Soul of the City," which is produced by and for blacks living

in metropolitan Nashville.

Shaw believes that FM radio will be the next area of significant growth in the broadcasting industry because of its ability to carry high-quality stereo signals. Another plus factor: the possible passage of a federal law requiring automobile manufacturers to include FM capability in every auto radio they sell.



In Boston, WJIB announcer Dick Wood broadcasts FM music for easy listening from studios located on the city's historic waterfront, not far from the Tea Party site.

Accordingly, General Electric consummated the biggest single FM transaction in history by purchasing Boston's WJIB-FM for \$3.6 million in 1972, and acquired another former Kaiser Broadcasting station last year, San Francisco's KFOG-FM, for \$1.6 million.

"FM has been viewed disparagingly as AM radio's 'little brother,'" says Reid Shaw. "Now it looks like the broadcast service of the future and we've got a good base for growth in it." ■

GE STATIONS

Boston:

WJIB, 96.9 FM

Denver:

KOA, 850 AM

KOAQ, 103.5 FM

KOA-TV, NBC-4

Nashville:

WSIX, 980 AM

WSIX, 97.9 FM

WNGE-TV, ABC-2

San Francisco:

KFOG, 104.5 FM

Schenectady:

WGY, 810 AM

WGFM, 99.5 FM

WRGB-TV, NBC-6



In the early 1920's, the WGY Players went on the air as the world's first radio dramatic company.

RADIO WORLD DEC. 16, 1922

A Quebec Guide Listens In

THE following letter was recently received by the General Electric Co.:

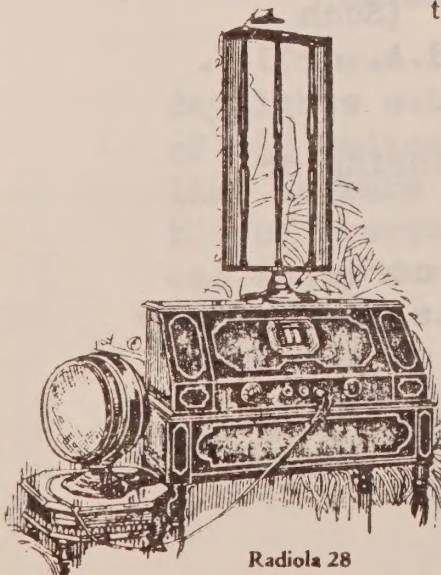
"WGY, Schenectady General Store,
New York State, Sir:

i am gide for hunter man wot come
at dis place Lac-des isle for hunting
deer. dese hunter man bring it wit him
a machine for heer you spik sunday nite
also tuesday nite i heer song about my
old modder dats long tim i dont see my
modder and i tink dats dame fine song
also i heer oder song i dont no de nam.
tuesday nite storie for de small boy and
girl bout mak de star shine for dem if
dey is good boy and girl. hunter man
laff lik hell an tole me ax you how we
mak some moon shine.

i hear you spike jus de same lik your
at me place i ting you have good ma-
chine i lissen more nex week.

tank you and much oblige

gide Camille Poirier
Chemis P. O., Quebec, Canada"



Radiola 28

Radiola

Made in Canada by

**CANADIAN
GENERAL ELECTRIC Co.**
HEAD OFFICE, TORONTO

Limited

From the Editor

SAFETY AND OLD RADIOS

by: MIKE N.
BATSCH



Perhaps one of the most neglected aspects in restoring and operating early Radio equipment is Safety. Have you ever given it a thought as to how safe your old set is?

This old rig you bought at the Flea Market may be a potential hazard if not properly looked after. We are mainly concerned with the following problems:

- (A) Electric shock hazard (This particularly applies to a variety of early A.C. line operated sets in steel cabinets).
- (B) Fire hazard (this applies to both line and battery operated sets)

Of course you must not get discouraged by the above and look for another hobby, not by a long shot, the old rigg can be made safe to operate if you follow a few down-to-earth precautions while restoring it.

Old Radio Receivers, generally speaking, were over designed by today's standards as far as materials are concerned. They had plenty of Brass, Copper, Nuts, Bolts, etc. There was no shortage of these in the "good old days". However, insulation materials in those days left much to be desired in this respect. We have come a long way, on top of this, old man time and the elements played havoc with the insulation — the old rubber-covered wire became brittle, as did the Varnish Cambridge, Lacquer, Ebonite, etc. (Such materials would hardly find approval by C.S.A. or U.L. today).

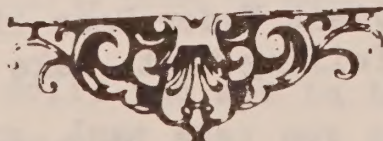
Here is what to look out for when restoring or operating Vintage Receivers:-

- (A) Replace all worn and brittle wires, cords and cables with modern material, this particularly applies to power cords, plugs, etc. on A.C. line operated sets. If the Receiver has a metal cabinet such as the A.K. 40, 44F, Radiola 33, etc. provide the set with a 3 wire cord and a "U" ground plug, (ground the housing).

- (B) Be sure to replace base metal plates provided on some A.C. chassis, this also applies to Asbestos sheets placed under power supplies of Radiola 17, 18, 33 etc. These sheets were placed there to protect the wooden base of a possible fire hazard due to overheated power resistors, transformers, etc.
- (C) Be careful not to place dial illumination bulbs too close to the dials as in some early sets the dials were manufactured of "Celluloid". This material is extremely fire prone as it has a low and sudden flash point, great care should be exercised here.
- (D) Another item of potential electric shock hazard is old earphones and horn speakers equipped with protruding exposed metal terminals. Here, in most instances, the full B+ potential is present to ground on chassis. This can be very dangerous particularly if you use A.C. line operated Battery Eliminator (power supply) and a defective line power transformer. Tape all exposed terminals if possible or use a good line insulating transformer.
- (E) Make it a habit to unplug the set if not in use, do not obstruct Air Flow in Radios provided with vent holes (the old vacuum tubes developed a lot of heat). If using an out door Antenna provide it with a good lightning arrestor, keep acid lead storage "A" batteries from children. If possible use a "Fuse plug" on all A.C. sets - this plug has built in fuses and is available in most Radio Supply Houses - "Fuse it, don't lose it".

To sum it up - I hope that I didn't scare the daylights out of you, naturally there are thousands of old Radios still in operation daily today, but we like to make things as safe as possible and with that bit of precaution and a sprinkle of common sense we can enjoy our hobby to a full ripe age.

"73" - Mike.



Good turnout for the Winter Meeting by: M. Chaplin

Despite the uncertain weather 51 members were at 110 Rumsey Road, East York, on Jan. 24th. for the winter meeting. Six new members attended and we had representation from Montreal and Ottawa.

Sid Prior had applied band-aids to three seats - no, not for emergency repairs, but to determine the winners in a "lucky-draw". After a short business meeting Mike Cox and Joyce Chaplin served refreshments and, during this interval, Dick Schamberger displayed, discussed, and handed out literature on a solid-state regulated A-B battery-eliminator he has constructed. Barry Coleman acted as auctioneer during the sale of receivers and equipment which followed.

Let's aim for an attendance of at least 75 at the next meeting. See you there -

During a recent visit to England, I called in to see Tudor Rees, who operates Tudor Rees (Vintage Services) at 64 Broad Street, Staple Hill, Bristol.

Tudor served an apprenticeship at a local aircraft plant and was then employed for about seven years as an electronics technician at Bristol University. Keenly interested in radio, he obtained old copies of early magazines and constructed many of the receivers described in articles written some forty years ago. His interest in vintage cars - he owns a '37 Chev. - led him into car-radio restoration for fellow enthusiasts which soon became a flourishing part-time business.

Still in his early thirties, Tudor now devotes himself full-time to vintage radio. His business premises are well stocked with early radio gear (three rooms being required to accommodate some 200,000 early European and American tubes.) Restoration work is handled on the premises including coil and transformer re-winding, metal work and cabinet refurbishing.

By all means visit Tudor Rees if you are ever in the neighborhood, failing that, make sure you are on his mailing list.

Maurice Chaplin.

GOLD DUST GOLD DUST

by - Sid. PRIOR

Thank you, Members, for sending in your dues, early or late, we appreciate it.

We are still solvent with money in the bank so it looks like a good year for the C.V.W.A.

In the September issue you will find a dues coupon, a reminder that October is dues month, and that membership is still \$3.00 Canadian, \$3.25 American, watch for it.

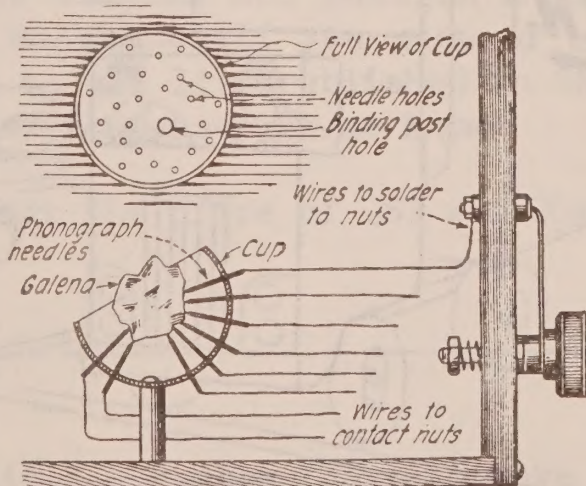
Your old Treasurer is slowly coming out of his Winter Blues, as Spring is just around the corner, and Summer is not far behind and that makes me Happy!

So, till the June issue, take it easy; you will live longer.

#####

Here is a small Project:

I think, that the cup on this Detector, would be made of an insulating material such as half of a small walnut shell?, but there must be a better idea, so see what you can come up with.



If One of the Sensitive Spots of This Type of Detector Becomes Dislodged Another Can Be Easily Found by Turning the Switch Lever.

An idea?
Try it.



Something for you to do, if you are in the DOGHOUSE, for 2 or 3 hours, Just stay out of sight. HI.

Cut out & send with Cheque or P.O.

C.V.W.A. Dues Coupon October- 1976

Name-
Address-

Please
PRINT

City-

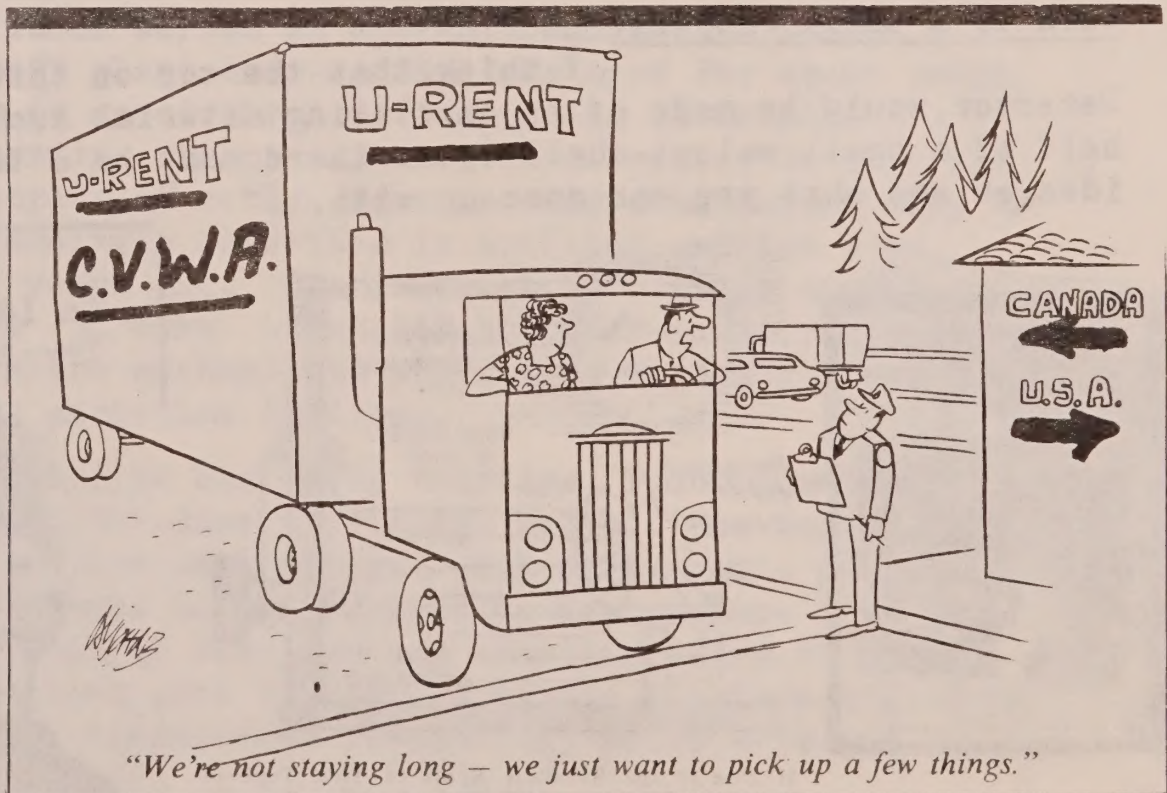
PROV -
State -

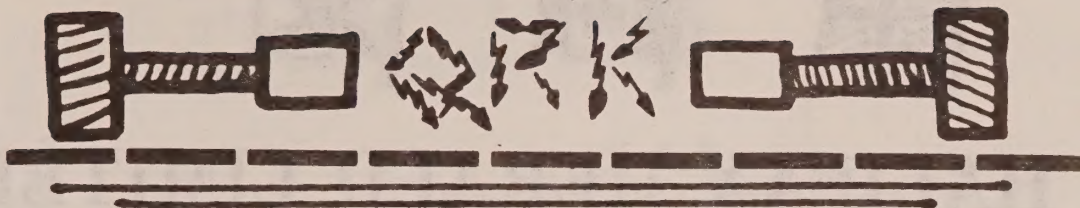
Postal Code

Membership
Card Number

Amount-

Canada \$300
U.S.A. \$325





By: Bert de Kat

Thank you for inviting me to be your QRK editor. Much of the success of an editor depends on YOU the reader for thoughts, ideas, photos, etc. My address is P.O. Box 137, Lynden, Ont. LOR 1T0 Tel. 519 647 3931.

* * * *

VE3GJH, Cathy Hrischenko, 2 Dalmeny Rd. Thornhill, Ont. L3T 1L9 is writing a book about the history of The Canadian YL Radio Operators. She would appreciate any info about the first YL operator, the youngest, the oldest..... Any YL's that were in public service, ships, services and those that were well known in other fields - can you help Cathy?

* * * *

The A.R.R.L. headquarters in Newington, Conn. contains a good museum of Amateur Radio which I can recommend.

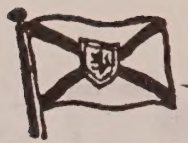
* * * *

I would like to compile and publish a list of amateur radio museums. If you know of any such museums to add to the list published in the March 1973 Cat's Whisker please let me know.

Did you know that the price of QST was 20¢ in 1924?

Editor's Note:

We should consider ourselves lucky to have Bert de Kat as our new Q.R.K. editor. Bert--being a Prof. Engineer and radio amateur, started in radio as a youngster and is well known to many of us, bert's call letters are; **3DPB**
Editor; Mike, N.C.Batsch.



THE HALIFAX HERALD LIMITED

Publishers of The Chronicle-Herald and The Mail-Star



By ALEX NICKERSON

Maritimers who, late at night in the 1920s and 1930s tuned in their Atwater-Kents, their Rogers-Majestics, their Westinghouses, their Victors, their Marconis and their DeForest-Crosleys to the powerful U.S. radio stations, most notably KDKA in Pittsburgh, have fond memories of the famous bands that dominated the air waves.

There would be Ben Bernie, Ted Lewis, Don Redman, Tommy Dorsey, Guy Lombardo, Benny Goodman, Wayne King, Glenn Miller and, not often enough, Noble Sissle.

Noble Sissle was in the news in recent days — dead at the age of 86 in Florida. Regrettably, the wire services supplying Canadian publications had far too little to say about the celebrated song writer, orchestra leader and one-time unofficial Mayor of Harlem, who had made his last public appearance in October, three years ago.

The son of a clergyman, Sissle toured the old Chautauqua circuit and later appeared as a singer with bands that played in major hotels before the United States entered World War I. In that global conflict, Sissle served overseas and after returning home as a lieutenant, assumed leadership of his first major band in 1920.



Like so many brilliant black American musicians of the day, he enjoyed great popularity in Europe. In that period, in the early 1920s, Noble Sissle became a favorite of the Prince of Wales, later to become King Edward VIII. His Royal Highness so enjoyed Sissle's music, particularly the band's rendition of "Old Man River," that one evening in London he brought along his brother, the Duke of York and the charming Duchess — the royal couple who in the next decade would be King George VI and Queen Elizabeth.

In the late 1920s, Sissle teamed up with Eubie Blake as a vaudeville and theatrical team, with Mr. Sissle writing the lyrics and Mr. Blake composing the music for two Broadway revues, "Shuffle Along," and "Chocolate Dandies." Some Canadian troops who were still overseas in 1945-46 had an opportunity to see "Shuffle Along" when a U.S.O. Camp Show troupe headed by Noble Sissle performed before audiences of servicemen in Italy, France and Germany.

Only a handful of the famous black musicians of the early years of the century are alive. Sissle was one of the greatest, a recipient in 1972 of the prized Ellington Medal, presented by Yale University. But the songs he wrote, not the least "I'm Just Wild About Harry," "Love Will Find A Way," and "You Were Meant For Me," will continue to be interpreted by the flying fingers of his old partner, pianist Eubie Blake who at 93 is still active in the world of entertainment.

What was that station — KDKA, WJZ, WABC, WGY, WOR, WBZ, or WEA? And wasn't there also a radio known as the Brunswick?

This article
was submitted
by: Ed Taylor



15

* * *
Claims a Canadian Record

EDITOR, RADIO WORLD: The only radio magazine that I can get really interested in is RADIO WORLD. While reading your last issue I discovered that many of your readers have established, or are trying to establish, long-distance records with bulb sets. I am not in the habit of bragging, but I think I have established the long-distance record in Canada so far as crystal sets are concerned.

With an ordinary crystal receiver (not a loose-coupler) and a four-strand inverted-L type aerial I have been successful in hearing WWJ, Detroit "News"; WCX, Detroit, Michigan; WWI, Dearborn, Michigan; WJAX, Cleveland; KDKA, Pittsburgh; WGY, Schenectady, New York. I have heard all these stations regularly. I have also heard WOC, Davenport, Iowa.

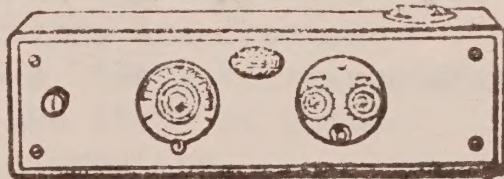
Of course, I heard all these stations in the fall, when weather conditions are ideal. Still I would like to hear from any other crystal-set owner who has made a record.
—W. M. Guillot, Box 224, Windsor, Ontario, Canada.

* * *

Dec. 16, 1922

RADIO WORLD

HISTORICAL RADIO SERVICES
Box 15370
Long Beach, CA 90815, U.S.A.



Westside Radio
Club

Auction

Mar. 27/76

Quebec.



Info. —

Barry Coleman

75 Parkdale Ave.

Pointe Claire P.Q. H9R 3Y6

Communications Hall of Fame

P.O. BOX 430 — SUTTON, QUE. CANADA — TEL. 538-2649 - AREA 514

MUSEUM

Dedicated to the preservation of
Communication History

The collections include early electrical and communication artifacts and literature,. Special features of the museum;

Post Office ca. 1870

Railway telegraph Office ca. 1890

General Store with Telephone Office and switch-board ca. 1900

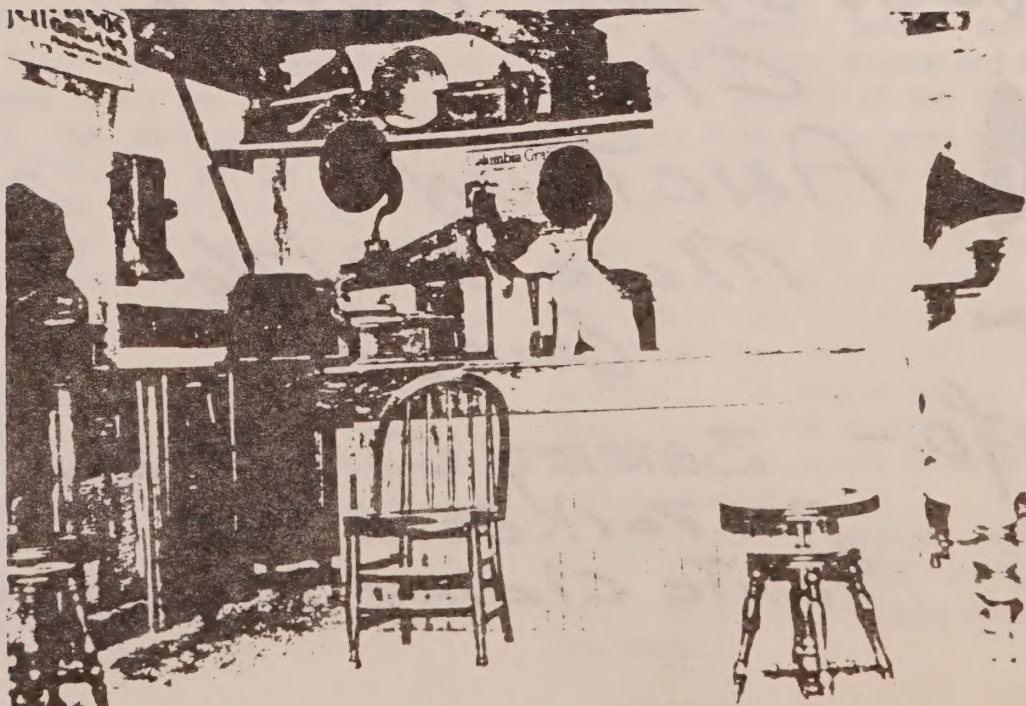
Phonograph store ca. 1910

Wireless station ca. 1920

Radio store ca. 1930

Broadcasting studio ca. 1935

The Museum is an nonprofit educational organisation and may be visited by appointment; Curator, E. Eberdt, El. Eng.



The museum was established in 1965 as a nonprofit educational organisation by Edmund J.O. Eberdt.

Being an electrical engineer, he had been connected with communication industries all his life. Through his interest in the history of Technology, Mr. Eberdt became a collector of early communication instruments and artifacts. The idea to extend the collection to a public museum developed in connection with the Canadian Centennial in 1967 when Mr. Eberdt was appointed chairman of the Centennial Commission in Sutton, Que. With the help of many local organisations, the committee had organised a week of celebrations and historical shows. The display of antiques and early communication instruments in the Town Hall of Sutton received considerable interest by a great number of visitors. With the encouragement of many local citizens and especially some electrical and telephone pioneers it was decided to arrange a permanent communication Museum.

The Museum is a member of the;

Quebec Museums Society

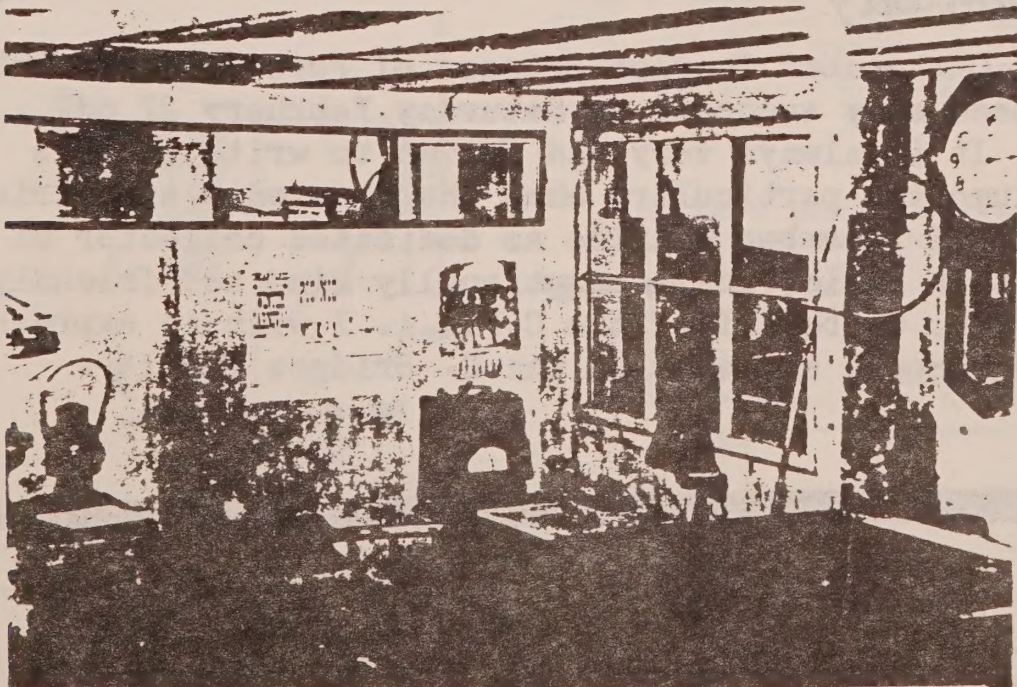
Brome County Historical Society

Canadian Vintage Wireless Association

Musical Box Society International

Members of these and related organisations are frequent visitors at the museum. There is also a lively correspondence with these members and historians in the field of communications regarding the exchange of information.

The Museum is located in the Town of Sutton, Quebec,
at 72 Mountain Street.



ABOUT THE 1976 C.N.E. DISPLAY.By MIKE COX.

This year's C.N.E. display is going to be better than ever before! But to do this we must start early. The next issue of the "CAT'S WHISKER" will have the usual form to fill out, but PLEASE start thinking about manning the booth now!

— If you got RADIOS we can display please let me know what you have --- NOW. In the next issue, I'd like to publish a list of what will be in the display and who lent it.

If you are a new member or have not been very active before than this is a excellent oportunity to meet other members and become more involved. You can man the booth for just one or two shifts, and be on with someone else whc's been on it before. I think anyone who's ever manned the booth has found it fun and the time goes by quite quickly, (and with a bit of luck you may obtain an ATWATER KENT BREADBOARD as some of The fellows did.)

I will be acting on the suggestions made after last years display. If you have got more ideas about how the booth should be set up, or run, please do not hasitate to let me know.....
REMEMBER ANYTHING IS POSSIBLE IF WE PLAN IT SOON ENOUGH /

C.V.W.A. CURATOR, MIKE COX

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Obituary

Our member Charles Bridges of Port Colborne Ont. passed away suddenly on Saturday, February 22 nd.

It is always very sad for me to write in this column and particulary when the deceased was my friend. I shall remember Charles as dedicated collector of vintage radio, and an exceptionally kind and friendly person. On behalf of the C.V.W.A. I wish to express the deepest sympathy to the C. Bridges family.

m.c. Batsel

Editor.

Digest of Latest Canadian Radio Patents

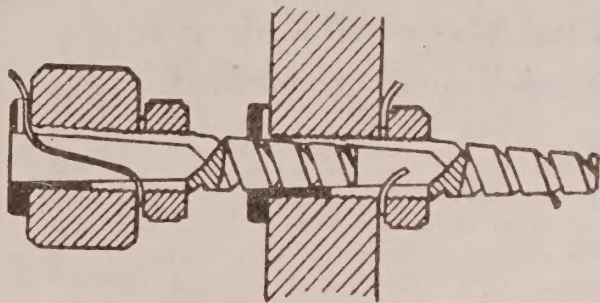
Compiled by G. F. SELLECK, Jr.

Radio News for May, 1925

ELECTRIC CONTACT OR TERMINAL

(Canadian Patent No. 243406, A. E. Chapman. Filed Jan. 31, 1924; issued Oct. 7, 1924.)

This invention relates to electric contacts or terminals and has for its object to provide an improved form of device of this nature which will be of universal application being capable of being used as a plug or socket, as a battery plug or as a coil holder, as a soldering tag, as a wire terminal, or in general in any situation in which an electric contact or terminal is or may be required.



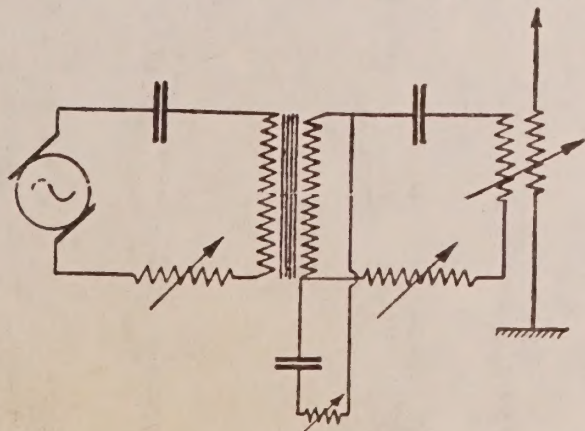
The invention consists of a device comprising an externally screwed socket terminating in a tapered shank or like member, the latter being preferably capable of fitting and biting into the socket of another similar contact or terminal. It also consists in a device of the above character in which the socket is cap-headed so that it may co-operate with an ebonite, metal or other nut adapted to screw onto the exterior of the socket.

The invention also consists in a device of the above character in which the tapered shank is formed as a helix or as a corkscrew, or as an ordinary wood or metal screw. It also consists in a device in which the whole or part of the biting surface of the tapered shank is constituted by a plurality of annular ridges of decreasing diameter toward the free end of the shank.

METHODS OF IMPROVING THE EFFICIENCY OF FREQUENCY MULTIPLYING TRANSFORMERS

(Canadian Patent No. 243260, Walter Dornig. Filed May 30, 1923; issued Sept. 30, 1924.)

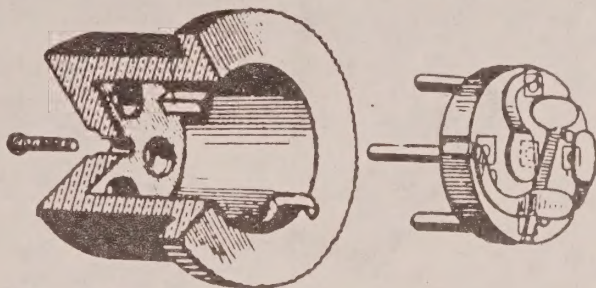
Frequency multiplying arrangement for wave transmission comprising a wave reducer, a primary oscillation circuit, an iron-cored frequency multiplying transformer, for distorting the funda-



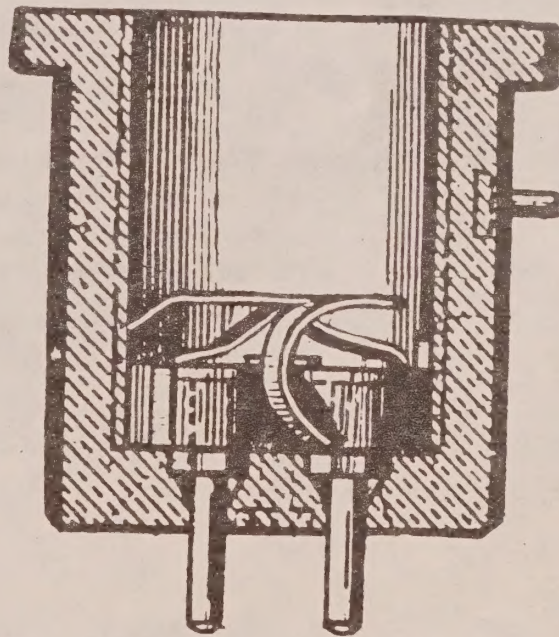
mental wave form through the magnetization curve of the transformer and for thus filtering out the multiples of the fundamental frequency in the primary circuit, a secondary oscillation circuit connected between the transformer of the wave radiator, and an auxiliary circuit connected to the transformer carrying upper harmonics of the frequency of the primary circuit, said harmonics differing from the frequency derived from the secondary for operation purposes.

ADAPTERS FOR VACUUM TUBE SOCKETS

(Canadian Patent No. 244353, G. Butzke. Filed Feb. 7, 1924; issued Nov. 11, 1924. Assigned to Canadian General Electric Company, Ltd.)



The object of this invention is to provide a hardy, compact and easily applied adapter whereby a miniature vacuum tube may be readily and properly connected to a standard radiotron socket or receptacle.

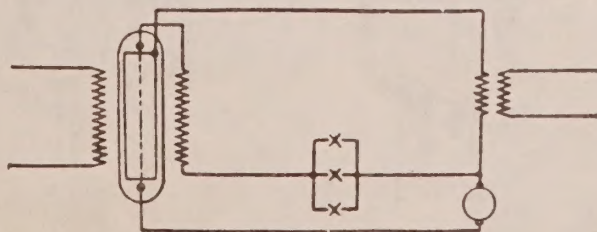


The invention comprises an insulating support having a plurality of external contacts thereon, means to position and attach said support to a socket, a plurality of opposite contacts electrically connected to said external contacts, and means to position and attach a small-sized tube to said support.

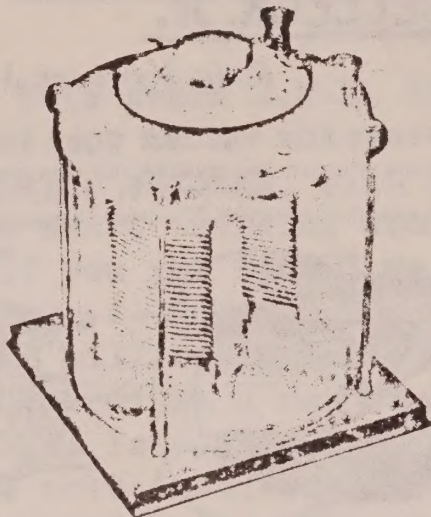
ELECTRON DISCHARGE APPARATUS

(Canadian Patent No. 244350, A. W. Hull. Filed Dec. 12, 1923; issued Nov. 11, 1924. Assigned to Canadian Electric Company, Ltd.)

This invention relates to electron discharge apparatus of the magnetron type. In the operation of such devices for certain purposes it is customary to provide a polarizing magnetic field in order that the normal current flowing through the



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CV-1013	.001	In standard glass case with vernier.....	19.50
CV-1500	.0015	Unmounted without vernier.....	14.00
CV-1503	.0015	Unmounted with vernier.....	15.60
CV-1510	.0015	In standard glass case without vernier.....	19.00
CV-1513	.0015	In standard glass case with vernier.....	20.60

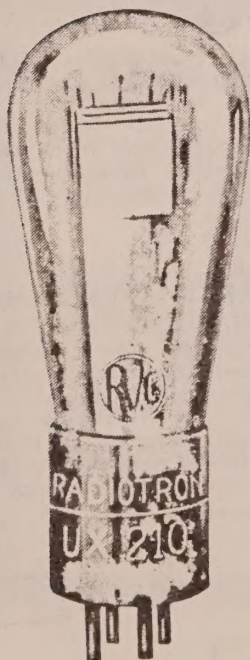
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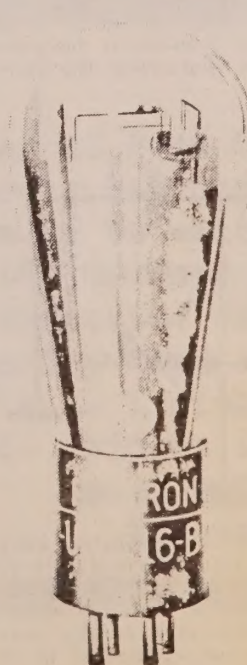
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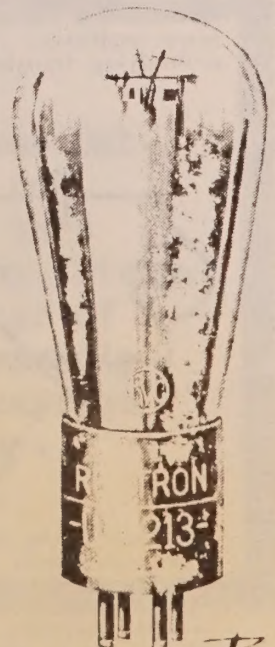
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